

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai — 600 044.

B.Sc. END SEMESTER EXAMINATION APRIL/NOV - 2021

SEMESTER - III

20UNDAT3003 - FUNDAMENTALS OF BIOCHEMISTRY

Total Duration : 3 Hrs	Total Marks : 75
MCQ : 30 Mins	MCQ : 15
Descriptive : 2 Hrs.30 Mins	Descriptive : 60

Section B

Answer any **SIX** questions ($6 \times 5 = 30$ Marks)

1. Define Nutrition and explain the factor affecting the enzyme activity in Enzymes.
2. Draw the Krebs cycles and Explain.
3. Explain the classification of protein.
4. Describe the physical and chemical properties of lipid metabolism.
5. Write brief notes on biological function of nucleic acid.
6. Discuss the role of metabolism of carbohydrates.
7. Describe the purines and pyrimidines with suitable diagram.
8. Explain the role of Biosynthesis of cholesterol.

Section C

Answer any **THREE** questions ($3 \times 10 = 30$ Marks)

9. Elaborate the Enzyme classification with suitable examples.
10. Describe the pathway chart of gluconeogenesis.
11. Explain the urea cycles with suitable diagram.
12. Draw the cycle of β oxidation of fatty acids.
13. Distinguish the interrelation between the carbohydrates, fat and protein metabolism.